

541,491

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
2 September 2004 (02.09.2004)

PCT

(10) International Publication Number
WO 2004/074594 A1

(51) International Patent Classification⁷: **E04D 1/20**,
1/26, 3/32, E04F 13/08

(21) International Application Number:
PCT/CA2004/000223

(22) International Filing Date: 18 February 2004 (18.02.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/448,635 18 February 2003 (18.02.2003) US

(71) Applicant (for all designated States except US): **MODCO TECHNOLOGY (CANADA) LTD.** [CA/CA]; 7610 - 116A Street, Delta, British Columbia V4C 5Y2 (CA).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BOWMAN, Ken** [CA/CA]; 7610- 116A Street, Delta, British Columbia V4C 5Y2 (CA).

(74) Agents: **SUE, Hilton, W., C. et al.**; Oyen Wiggs Green & Mutala, 480 - The Station, 601 West Cordova Street, Vancouver, British Columbia V6B 1G1 (CA).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

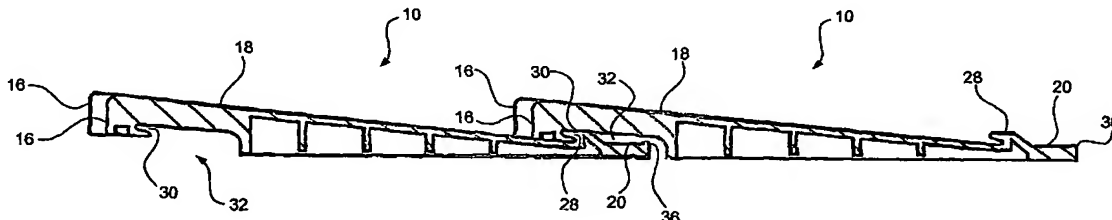
- as to the identity of the inventor (Rule 4.17(i)) for all designations
- of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **ROOFING PANEL SYSTEM**



(57) Abstract: A panel for roofing or siding applications, with a nailing flange along its rear edge and decorative elements simulating natural materials along its front edge. The panel has a longitudinal locking mechanism that allows the panel to be interlocked with similar panels in front of and/or behind it in a water-resistant latching manner that prevents both front-to-back and upward movement of the interlocked panel, while simultaneously encompassing and protecting the nailing flange. The panel includes a transverse locking mechanism for interlocking the panel with similar panels on either side of it in a water-resistant manner. The panel is preferably made of a blend of rubber tire drums and plastic. The panel has a support structure that offers support against pressure applied to the top of the panel while simultaneously providing an integrated venting system for the system of interlocked panels. Starter strips and accessory caps with similar features facilitate the installation of the system of panels onto a substrate.

WO 2004/074594 A1